

Filippo Giorgi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8567621/filippo-giorgi-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

11,284
citations

41
h-index

87
g-index

87
ext. papers

12,809
ext. citations

4.7
avg, IF

6.69
L-index

#	Paper	IF	Citations
79	Climate change projections for the Mediterranean region. <i>Global and Planetary Change</i> , 2008 , 63, 90-104.	4.2	1949
78	Regional Climate Modeling for the Developing World: The ICTP RegCM3 and RegCNET. <i>Bulletin of the American Meteorological Society</i> , 2007 , 88, 1395-1410	6.1	776
77	Introduction to special section: Regional Climate Modeling Revisited. <i>Journal of Geophysical Research</i> , 1999 , 104, 6335-6352		653
76	Development of a Second-Generation Regional Climate Model (RegCM2). Part I: Boundary-Layer and Radiative Transfer Processes. <i>Monthly Weather Review</i> , 1993 , 121, 2794-2813	2.4	599
75	Development of a Second-Generation Regional Climate Model (RegCM2). Part II: Convective Processes and Assimilation of Lateral Boundary Conditions. <i>Monthly Weather Review</i> , 1993 , 121, 2814-2832	2.4	583
74	Approaches to the simulation of regional climate change: A review. <i>Reviews of Geophysics</i> , 1991 , 29, 191-231	23.1	539
73	An inter-comparison of regional climate models for Europe: model performance in present-day climate. <i>Climatic Change</i> , 2007 , 81, 31-52	4.5	535
72	Simulation of Regional Climate Using a Limited Area Model Nested in a General Circulation Model. <i>Journal of Climate</i> , 1990 , 3, 941-963	4.4	454
71	A regional climate model for the western United States. <i>Climatic Change</i> , 1989 , 15, 383	4.5	386
70	The Climatological Skill of a Regional Model over Complex Terrain. <i>Monthly Weather Review</i> , 1989 , 117, 2325-2347	2.4	349
69	Regional Dynamical Downscaling and the CORDEX Initiative. <i>Annual Review of Environment and Resources</i> , 2015 , 40, 467-490	17.2	330
68	Regional Climate Change Scenarios over the United States Produced with a Nested Regional Climate Model. <i>Journal of Climate</i> , 1994 , 7, 375-399	4.4	299
67	The Effects of Domain Choice on Summer Precipitation Simulation and Sensitivity in a Regional Climate Model. <i>Journal of Climate</i> , 1998 , 11, 2698-2712	4.4	220
66	A study of internal variability of a regional climate model. <i>Journal of Geophysical Research</i> , 2000 , 105, 29503-29521		188
65	WCRP COordinated Regional Downscaling EXperiment (CORDEX): a diagnostic MIP for CMIP6. <i>Geoscientific Model Development</i> , 2016 , 9, 4087-4095	6.3	174
64	Added value of regional climate modeling over areas characterized by complex terrain: Precipitation over the Alps. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 3957-3972	4.4	164
63	Dust aerosol impact on regional precipitation over western Africa, mechanisms and sensitivity to absorption properties. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	155

62	Increase in summer European ozone amounts due to climate change. <i>Atmospheric Environment</i> , 2007 , 41, 7577-7587	5.3	155
61	Enhanced summer convective rainfall at Alpine high elevations in response to climate warming. <i>Nature Geoscience</i> , 2016 , 9, 584-589	18.3	145
60	Direct radiative forcing and regional climatic effects of anthropogenic aerosols over East Asia: A regional coupled climate-chemistry/aerosol model study. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 7-1		139
59	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003 , 55, 914-934	3.3	135
58	Progress in regional downscaling of west African precipitation. <i>Atmospheric Science Letters</i> , 2011 , 12, 75-82	2.4	133
57	Thirty Years of Regional Climate Modeling: Where Are We and Where Are We Going next?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 5696	4.4	130
56	Climate Change and Future Pollen Allergy in Europe. <i>Environmental Health Perspectives</i> , 2017 , 125, 385-394	3.4	123
55	An atmosphere-ocean regional climate model for the Mediterranean area: assessment of a present climate simulation. <i>Climate Dynamics</i> , 2010 , 35, 721-740	4.2	121
54	The Multiyear Surface Climatology of a Regional Atmospheric Model over the Western United States. <i>Journal of Climate</i> , 1993 , 6, 75-95	4.4	118
53	Future Global Meteorological Drought Hot Spots: A Study Based on CORDEX Data. <i>Journal of Climate</i> , 2020 , 33, 3635-3661	4.4	113
52	Simulation of the Indian monsoon using the RegCM3-BROMS regional coupled model. <i>Climate Dynamics</i> , 2009 , 33, 119-139	4.2	106
51	Extension and Intensification of the Meso-American mid-summer drought in the twenty-first century. <i>Climate Dynamics</i> , 2008 , 31, 551-571	4.2	105
50	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. <i>Regional Environmental Change</i> , 2020 , 20, 1	4.3	104
49	Indirect vs. Direct Effects of Anthropogenic Sulfate on the Climate of East Asia as Simulated with a Regional Coupled Climate-Chemistry/Aerosol Model. <i>Climatic Change</i> , 2003 , 58, 345-376	4.5	96
48	Climate Change Prediction. <i>Climatic Change</i> , 2005 , 73, 239-265	4.5	94
47	Simulating the water balance of the Aral Sea with a coupled regional climate-lake model. <i>Journal of Geophysical Research</i> , 1999 , 104, 6583-6602		78
46	Does the model regional bias affect the projected regional climate change? An analysis of global model projections. <i>Climatic Change</i> , 2010 , 100, 787-795	4.5	74
45	Use of a limited-area model nested in a general circulation model for regional climate simulation over Europe. <i>Journal of Geophysical Research</i> , 1990 , 95, 18413		73

44	Climate change and infectious diseases: Can we meet the needs for better prediction?. <i>Climatic Change</i> , 2013 , 118, 625-640	4.5	65
43	Regional earth system modeling: review and future directions. <i>Atmospheric and Oceanic Science Letters</i> , 2018 , 11, 189-197	1.4	62
42	Multiyear present-day and 2 CO ₂ simulations of monsoon climate over eastern Asia and Japan with a regional climate model nested in a general circulation model. <i>Journal of Geophysical Research</i> , 1995 , 100, 21105		60
41	Assessment of multiple daily precipitation statistics in ERA-Interim driven Med-CORDEX and EURO-CORDEX experiments against high resolution observations. <i>Climate Dynamics</i> , 2018 , 51, 877-900	4.2	49
40	Regional simulation of anthropogenic sulfur over East Asia and its sensitivity to model parameters. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2001 , 53, 171-191	3.3	45
39	Inter-annual variability of precipitation over Southern Mexico and Central America and its relationship to sea surface temperature from a set of future projections from CMIP5 GCMs and RegCM4 CORDEX simulations. <i>Climate Dynamics</i> , 2015 , 45, 425-440	4.2	42
38	Dependence of the surface climate interannual variability on spatial scale. <i>Geophysical Research Letters</i> , 2002 , 29, 16-1-16-4	4.9	39
37	European climate-change oscillation (ECO). <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	38
36	Multi-decadal scenario simulation over Korea using a one-way double-nested regional climate model system. Part 2: future climate projection (2021-2050). <i>Climate Dynamics</i> , 2008 , 30, 239-254	4.2	34
35	Assessment of the European Climate Projections as Simulated by the Large EURO-CORDEX Regional and Global Climate Model Ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2019JD032356	4.4	32
34	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution, part I: evaluation of precipitation. <i>Climate Dynamics</i> , 2021 , 57, 275-302	4.2	31
33	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution part 2: historical and future simulations of precipitation. <i>Climate Dynamics</i> , 2021 , 56, 3581-3602	4.2	29
32	Evaluation of the Large EURO-CORDEX Regional Climate Model Ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 126, e2019JD032344	4.4	27
31	The role of ENSO and PDO in variability of winter precipitation over North America from twenty first century CMIP5 projections. <i>Climate Dynamics</i> , 2016 , 46, 3259-3277	4.2	26
30	Robust late twenty-first century shift in the regional monsoons in RegCM-CORDEX simulations. <i>Climate Dynamics</i> , 2021 , 57, 1463-1488	4.2	25
29	Indian Summer Monsoon as simulated by the regional earth system model RegCM-ES: the role of local air-sea interaction. <i>Climate Dynamics</i> , 2019 , 53, 759-778	4.2	24
28	Impact of climate change on snow melt driven runoff timing over the Alpine region. <i>Climate Dynamics</i> , 2018 , 51, 1259-1273	4.2	21
27	Assessing mean climate change signals in the global CORDEX-CORE ensemble. <i>Climate Dynamics</i> , 2020 , 57, 1269	4.2	21

26	Influence of Lake Malawi on regional climate from a double-nested regional climate model experiment. <i>Climate Dynamics</i> , 2018 , 50, 3397-3411	4.2	20
25	Bias correction of temperature and precipitation over China for RCM simulations using the QM and QDM methods. <i>Climate Dynamics</i> , 2021 , 57, 1425-1443	4.2	17
24	Climate hazard indices projections based on CORDEX-CORE, CMIP5 and CMIP6 ensemble. <i>Climate Dynamics</i> , 2021 , 57, 1293	4.2	16
23	Threatening levels of cumulative stress due to hydroclimatic extremes in the 21st century. <i>Npj Climate and Atmospheric Science</i> , 2018 , 1,	8	16
22	Regional stretched grid generation and its application to the NCAR RegCM. <i>Journal of Geophysical Research</i> , 1999 , 104, 6501-6513		14
21	Current and future potential of solar and wind energy over Africa using the RegCM4 CORDEX-CORE ensemble. <i>Climate Dynamics</i> , 2020 , 57, 1647	4.2	14
20	Sensitivity study of the regional climate model RegCM4 to different convective schemes over West Africa. <i>Earth System Dynamics</i> , 2018 , 9, 1261-1278	4.8	14
19	Investigating the relative responses of regional monsoon dynamics to snow darkening and direct radiative effects of dust and carbonaceous aerosols over the Indian subcontinent. <i>Climate Dynamics</i> , 2020 , 55, 1011-1030	4.2	12
18	The Regional Earth System Model RegCM-ES: Evaluation of the Mediterranean Climate and Marine Biogeochemistry. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS001812	7.1	11
17	Projections of river floods in Europe using EURO-CORDEX, CMIP5 and CMIP6 simulations. <i>International Journal of Climatology</i> , 2021 , 41, 3203-3221	3.5	10
16	Future projections in the climatology of global low-level jets from CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2021 , 57, 1551-1569	4.2	9
15	Near-Future Anthropogenic Aerosol Emission Scenarios and Their Direct Radiative Effects on the Present-Day Characteristics of the Indian Summer Monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031414	4.4	7
14	Development and validation of a regional coupled atmosphere lake model for the Caspian Sea Basin. <i>Climate Dynamics</i> , 2013 , 41, 1731-1748	4.2	7
13	The CORDEX-CORE EXP-I initiative: Description and highlight results from the initial analysis. <i>Bulletin of the American Meteorological Society</i> , 2021 , 1-52	6.1	7
12	Future projections of Mediterranean cyclone characteristics using the Med-CORDEX ensemble of coupled regional climate system models. <i>Climate Dynamics</i> , 1	4.2	6
11	Assessing changes in the atmospheric water budget as drivers for precipitation change over two CORDEX-CORE domains. <i>Climate Dynamics</i> , 2020 , 57, 1615	4.2	6
10	Projected changes to severe thunderstorm environments as a result of twenty-first century warming from RegCM CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2020 , 57, 1595	4.2	6
9	Future projections in tropical cyclone activity over multiple CORDEX domains from RegCM4 CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2021 , 57, 1507-1531	4.2	4

8	Comparison of GCM and RCM simulated precipitation and temperature over Central America and the Caribbean. <i>Theoretical and Applied Climatology</i> , 2021 , 143, 389-402	3	4
7	Non-Hydrostatic RegCM4 (RegCM4-NH): model description and case studies over multiple domains. <i>Geoscientific Model Development</i> , 2021 , 14, 7705-7723	6.3	4
6	Projected changes in precipitation and temperature regimes and extremes over the Caribbean and Central America using a multiparameter ensemble of RegCM4. <i>International Journal of Climatology</i> , 2021 , 41, 1328-1350	3.5	3
5	ENSO teleconnections in an ensemble of CORDEX-CORE regional simulations. <i>Climate Dynamics</i> , 2021 , 57, 1445-1461	4.2	2
4	Linkage between the absorbing aerosol-induced snow darkening effects over the Himalayas-Tibetan Plateau and the pre-monsoon climate over northern India. <i>Theoretical and Applied Climatology</i> , 1	3	1
3	Projection of the Future Changes in Tropical Cyclone Activity Affecting East Asia over the Western North Pacific Based on Multi-RegCM4 Simulations. <i>Advances in Atmospheric Sciences</i> , 1	2.9	1
2	Interannual variability of the boreal winter subtropical jet stream and teleconnections over the CORDEX-CAM domain during 1980-2010. <i>Climate Dynamics</i> , 2021 , 57, 1571-1594	4.2	1
1	Non-Hydrostatic Regcm4 (Regcm4-NH): Evaluation of Precipitation Statistics at the Convection-Permitting Scale over Different Domains. <i>Atmosphere</i> , 2022 , 13, 861	2.7	1